

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	864	(250/483.1).CCLS.	US-PGPUB; USPAT	OR	OFF	2008/10/24 13:56
S2	401	S1 and phosphor	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/24 13:56
S3	108	S2 and (alkali adj metal)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/24 13:57
S4	25	S1 and nitride	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/24 13:57
S5	1	S1 and (nitride with alkali)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/24 14:15
S6	1	S1 and (nitride same alkali)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/24 14:18
S7	4	S3 and S4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/24 14:19
S8	1	("0000252").PN.	US-PGPUB; USPAT	OR	OFF	2008/10/24 14:23
S9	79018	("252").CLAS.	US-PGPUB; USPAT	OR	OFF	2008/10/24 14:23
S10	9	S9 and (nitride with alkali) and phosphor	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/24 14:24

S11	6	{"20030038295"   "6531072"   "6628249"   "6657379"   "6737681"   "6744071").PN. OR ("7258816").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/10/24 14:27
S12	0	(250/301.40).CCLS.	US-PGPUB; USPAT	OR	OFF	2008/10/24 14:31
S13	0	(250/301.4).CCLS.	US-PGPUB; USPAT	OR	OFF	2008/10/24 14:31
S14	0	(250/301.40F).CCLS.	US-PGPUB; USPAT	OR	OFF	2008/10/24 14:32
S15	0	(252/301.40F).CCLS.	US-PGPUB; USPAT	OR	OFF	2008/10/24 14:32
S16	791	(252/301.4F).CCLS.	US-PGPUB; USPAT	OR	OFF	2008/10/24 14:32
S17	9	S16 and (nitride same alkali)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/24 14:35
S18	2474	((252/62.3GA,301.4R) or (423/409,412)).CCLS.	US-PGPUB; USPAT	OR	OFF	2008/10/24 14:43
S19	42	S18 and (nitride same alkali)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/24 14:44
S20	21	S18 and (concentration with alkali)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/24 14:44
S21	3	S19 and S20	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/24 14:44
S22	14	S18 and ((crystal or substrate or phosphor) with (alkali or sodium) with nitride)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/24 15:00
S23	4189	(crystal or phosphor or substrate) and ((%" by weight" or (percent near2 weight)) with alkali)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/24 15:09

S24	277	S23 and ((% by weight" or (percent near2 weight)) with (alkali) with (crystal or phosphor or substrate)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/24 15:10
S25	20	S24 and nitride	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/24 15:10
S26	36	(((" % by weight" or ((part\$2 or percent) near2 weight)) with (alkali) with (crystal or phosphor or substrate)) and nitride	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/24 15:13
S27	3	("5190738").URPN.	USPAT	OR	ON	2008/10/24 15:21
S28	10	("20010008656"   "20010022154"   "5456204"   "5780876"   "5868837"   "5928421"   "6067310"   "6156581"   "6177057"   "6372041").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/10/24 15:28
S29	23	("2001/0008656").URPN.	USPAT	OR	ON	2008/10/24 15:30
S30	9	("20010008656"   "5734182"   "5777350"   "5805624"   "5970314"   "5981977"   "6130147"   "6215133"   "6258617").PN. OR ("6828593").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/10/24 15:32
S31	138	("5777350").URPN.	USPAT	OR	ON	2008/10/24 15:34
S32	7	("6517741").URPN.	USPAT	OR	ON	2008/10/24 15:53
S33	1	("6673473").URPN.	USPAT	OR	ON	2008/10/24 15:54
S34	37	((gallium adj nitride) same (alkali with crystal))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/25 09:41
S35	8	S34 and phosphor	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/25 09:42

S36	5	{"3761500"   "5008420"   "5922405"   "5998644"   "6063951").PN. OR ("6156916").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/10/25 09:44
S37	15	S34 not S35	US-PGPUB; USPAT; USOCR	OR	ON	2008/10/25 09:45
S38	267	(phosphor with alkali with crystal)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/25 09:50
S39	38	S38 and nitride	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/25 09:50
S40	7	S39 and gallium	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/25 09:50
S41	242	S38 and (alkali not (alkali adj earth))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/25 09:52
S42	30	S41 and nitride	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/25 09:52
S43	3	S42 and ((gallium adj nitride) or GaN)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/25 09:53
S44	42	((alkali with crystal) and ((gallium adj nitride) or "GaN")).ab.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/25 09:54
S45	16	S44 and ((light with (substrate or crystal)) or phosphor)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/25 09:55

S46	1	{"20040031978").PN.	US-PGPUB; USPAT	OR	OFF	2008/10/25 10:09
S47	20584	((alkali or "Na" or sodium or potassium or "K" or "Li" or lithium) with (crystal or phosphor)).ab.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/25 10:40
S48	762	S47 and nitride	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/25 10:41
S49	202	S48 and ((gallium adj nitride) or GaN)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/25 10:41
S50	14	(((" by weight" or ((part\$2 or percent) near2 weight) or ppm or (parts near2 million)) with alkali)) and S49	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/25 10:42
S51	64	(alkali with dop\$4 with nitride)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/25 10:57
S52	21	((alkali or "Na" or sodium or potassium or "K" or "Li" or lithium) with (crystal or phosphor or substrate)) and S51	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/25 10:57
S53	1692	("AIN" or (aluminum adj nitride)) and ((alkali or "Na" or sodium or potassium or "K" or "Li" or lithium) with (crystal or phosphor))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/25 11:00
S54	806	S53 and ((light with (substrate or crystal)) or phosphor)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/25 11:00

S55	938	((alkali near2 contain\$4) with crystal	US-PGPUB; USPAT; USOOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/25 11:03
S56	141	S55 and nitride	US-PGPUB; USPAT; USOOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/25 11:03
S57	8	S56 and phosphor	US-PGPUB; USPAT; USOOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/25 11:03
S58	437	((alkali near2 contain\$4) with (substrate or phosphor crystal)) and nitride	US-PGPUB; USPAT; USOOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/25 11:06
S59	261	S58 and ((light with (substrate or crystal)) or phosphor)	US-PGPUB; USPAT; USOOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/25 11:06
S60	0	S59 and (half adj maximum)	US-PGPUB; USPAT; USOOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/25 11:06
S61	10	S59 and (half adj maximum)	US-PGPUB; USPAT; USOOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/25 11:06
S62	48	((("%" by weight" or ((part\$2 or percent) near2 weight) or ppm or (parts near2 million)) with (alkali or "Na" or sodium or potassium or "K" or "Li" or lithium))) and S59	US-PGPUB; USPAT; USOOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/25 11:09
S63	17	((("%" by weight" or ((part\$2 or percent) near2 weight) or ppm or (parts near2 million)) with (cyrstal or substrate or phosphor))) and S62	US-PGPUB; USPAT; USOOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/25 11:10

S64	4893	((alkali) with (substrate or phosphor crystal)) and nitride	US-PGPUB; USPAT; USOOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/25 11:27
S65	2769	S64 and ((light with (substrate or crystal)) or phosphor)	US-PGPUB; USPAT; USOOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/25 11:27
S66	227	((("%" by weight" or ((part\$2 or percent) near2 weight) or ppm or (parts near2 million)) with (alkali or "Na" or sodium or potassium or "K" or "Li" or lithium))) and S65	US-PGPUB; USPAT; USOOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/25 11:27
S67	70	((("%" by weight" or ((part\$2 or percent) near2 weight) or ppm or (parts near2 million)) with (cyrstal or substrate or phosphor))) and S66	US-PGPUB; USPAT; USOOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/25 11:28
S68	7	S67 and ((gallium adj nitride) or GaN) same alkali	US-PGPUB; USPAT; USOOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/25 11:28
S69	23167	((alkali or "Na" or sodium or potassium or "K" or "Li" or lithium)) with (substrate or phosphor crystal)) and nitride	US-PGPUB; USPAT; USOOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/25 11:29
S70	8731	S69 and ((light with (substrate or crystal)) or phosphor)	US-PGPUB; USPAT; USOOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/25 11:29
S71	413	((("%" by weight" or ((part\$2 or percent) near2 weight) or ppm or (parts near2 million)) with (alkali or "Na" or sodium or potassium or "K" or "Li" or lithium))) and S70	US-PGPUB; USPAT; USOOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/25 11:30
S72	162	((("%" by weight" or ((part\$2 or percent) near2 weight) or ppm or (parts near2 million)) with (cyrstal or substrate or phosphor))) and S71	US-PGPUB; USPAT; USOOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/25 11:30

S73	7	S72 and ((gallium adj nitride) or GaN) same alkali	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/25 11:30
S74	8	S72 and ((gallium adj nitride) or GaN) same (alkali or "Na" or sodium or potassium or "K" or "Li" or lithium)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/25 11:31
S75	2	("7132730").URPN.	USPAT	OR	ON	2008/10/25 11:32
S76	151	S69 and (critical or supercritical or (super near2 critical)) with (ammonia or "NH <sub>3</sub> "))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/25 11:48
S77	31	((("% by weight" or ((part\$2 or percent) near2 weight) or ppm or (parts near2 million)) with (alkali or "Na" or sodium or potassium or "K" or "Li" or lithium))) and S76	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/25 11:48
S78	120	S76 not S77	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/25 11:49
S79	28	S78 and ((gallium adj nitride) or GaN) same (alkali or "Na" or sodium or potassium or "K" or "Li" or lithium)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/25 11:49
S80	0	(alkali with dop\$4 with GaN with crystal)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/25 11:58
S81	0	(alkali with impurit\$4 with GaN with crystal)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/25 11:58

S82	0	((alkali with impurit\$4 with nitrid with crystal))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/25 11:58
S83	13	((alkali with impurit\$4 with nitride with crystal))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/25 11:58
S84	3	("5147623").URPN.	USPAT	OR	ON	2008/10/25 11:59
S85	6	((alkali with dop\$4 with nitride with crystal))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/25 12:02
S86	119	((alkali or "Na" or sodium or potassium or "K" or "Li" or lithium) with (impurit\$4 or dop \$4) with nitride with crystal)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/25 12:03
S87	3936	((alkali or "Na" or sodium or potassium or "K" or "Li" or lithium) with (impurit\$4 or dop \$4) with crystal)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/25 12:03
S88	1364	S87 and ((light with (substrate or crystal)) or phosphor)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/25 12:04
S89	1	S88 and (critical or supercritical or (super near2 critical)) with (ammonia or "NH.sub.3")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/25 12:04
S90	140	((("%" by weight" or ((part\$2 or percent) near2 weight) or ppm or (parts near2 million)) with ((alkali or "Na" or sodium or potassium or "K" or "Li" or lithium))) and S88	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/25 12:05

S91	0	(((%" by weight" or ((part\$2 or percent) near2 weight) or ppm or (parts near2 million)) with (cyrstal or substrate or phosphor))) and S89	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/25 12:06
S92	30	(((%" by weight" or ((part\$2 or percent) near2 weight) or ppm or (parts near2 million)) with (cyrstal or substrate or phosphor))) and S90	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/25 12:06
S93	4	S92 and ((gallium adj nitride) or GaN)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/25 12:07
S94	1781	((impurit\$4 or dop\$4) with ((gallium adj nitride) or GaN)). ab.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/25 12:15
S95	536	S94 and ((light with (substrate or crystal)) or phosphor)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/25 12:15
S96	1	S95 and (alkali with (impurit\$4 or dop\$4))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/25 12:15
S97	1	("5006277").PN.	US-PGPUB; USPAT	OR	OFF	2008/10/25 12:18
S98	3	("5006277").URPN.	USPAT	OR	ON	2008/10/25 12:19
S99	0	(((light with (substrate or crystal)) or phosphor) with (slic\$4 with (off near2 angle)) and ((gallium adj nitride) or GaN))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/25 12:35
S100	44	(((light with (substrate or crystal)) or phosphor) with ((off near2 angle)) and ((gallium adj nitride) or GaN))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/25 12:35

S101	6	"514429".ap.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/25 12:46
S102	70	((critical or supercritical or (super near2 critical) with (ammonia or "NH.sub.3")) same (alkali adj metal)) and nitride	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/25 12:50
S103	23	S102 and ((light with (substrate or crystal)) or phosphor)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/25 12:50
S104	2	(("20040031978") or ("6531072")).PN.	US-PGPUB; USPAT	OR	OFF	2008/10/25 13:52
S105	9	((("5868837") or ("6177057") or ("6372041") or ("20030022028") or ("20030003770") or ("6656615") or ("20040031978") or ("7053413") or ("7160388")). PN.	US-PGPUB; USPAT	OR	OFF	2008/10/25 13:55
S106	4	JP-2002241112-\$ did. or JP- 2002274997-\$ did.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/25 13:56

10/25/2008 3:01:04 PM

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